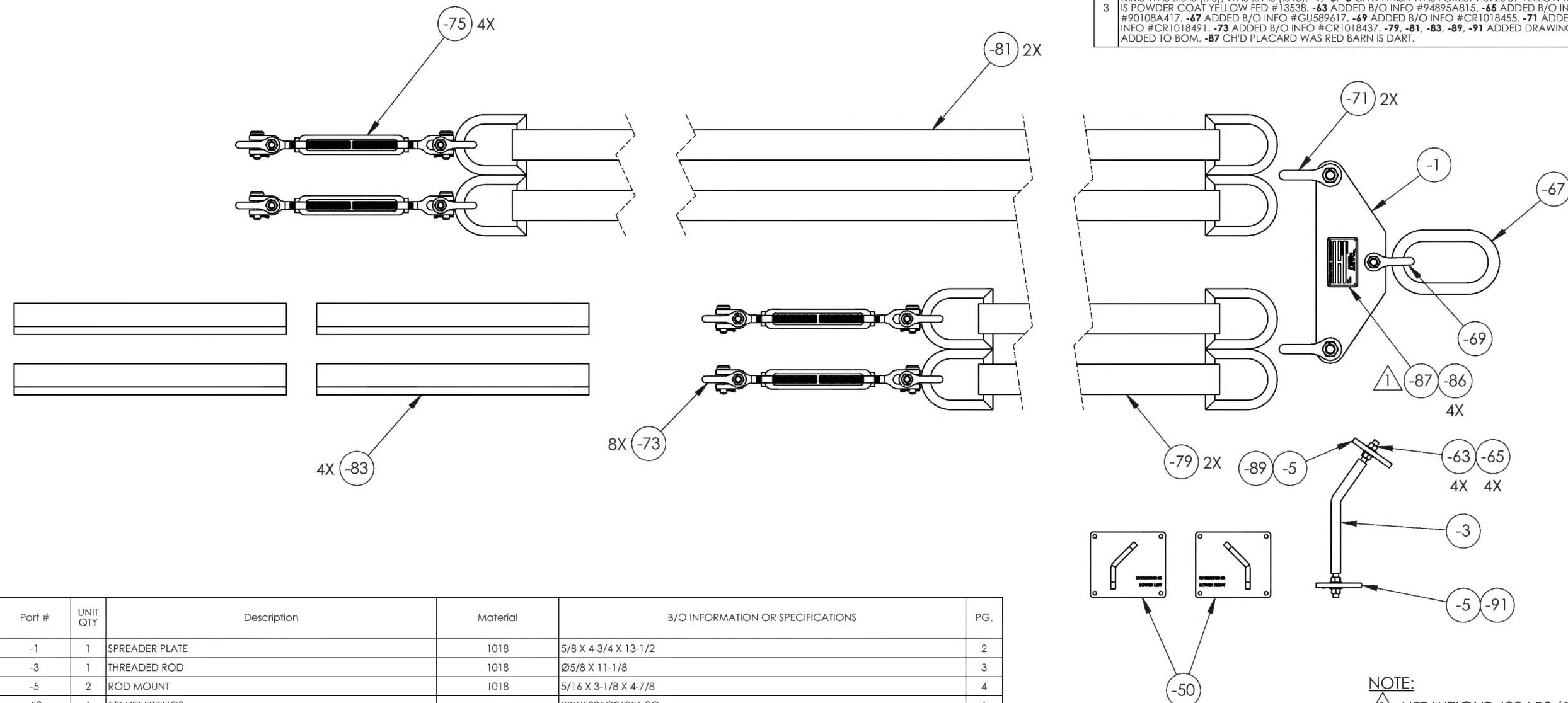


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REVISIONS		
REV	DESCRIPTION	DATE
		INITIAL APPROVED
A	CH'D ENGRAVE NOTE P/N -5. CORRECTED P/N -7'S TO -21 & -49.	5/28/2009 RJC
B	CHANGED B.O.M. -3 QTY FROM 2 TO 1. -45 LENGTH FROM 39-1/8 TO 29-1/4. ALSO ADDED PAGE FOR -33 THRU -41 DRAWINGS. ADDED MISSING DIMENSION Ø1.125 TO -43. PER DAVE. ALSO ADDED TOLERANCE TO O.D. OF -45.	10/5/2009 WP DW
C	ADDED -3G TO END OF TOOL NUMBER, ADDED RADIUS OK TO -29 & -31, CH'D FINISH FROM BLACK OXIDE TO ZINC YELLOW -45, -47, & -49.	3/29/2010 RJC DW
1	ADDED -50 TAIL BOOM LIFT FITTINGS RBW5385G81851.	3/29/2010 WP RW
2	DELETED PART No.'s -7 thru -61 AND -85, TAIL BOOM BRACKED ASSEMBLY IS REMOVED FROM THIS TOOL AND ADDED TO TOOL No. RBW5305G00232-3G TAIL BOOM TROLLEY. REDUCED PAGES FROM 8 TO 2, CHANGED -1, -3, & -5 FROM PAINT TO POWDER COAT. ALSO ADDED -89 & -91 STICKERS TO REPLACE STENCILS.	6/29/2010 WP DW
2D	CORRECTED P.N. ON -50 IN BOM WAS RBW5385G81851.	3/6/2012 SE RW
3	UPDATED TO NEW DRAFTING STANDARDS, CH'D TITLE BLOCK WAS RED BARN IS DART, CH'D TOLERANCE ON NON-CRITICAL PARTS. -1 CH'D DIM WAS 4.0 IS (.39), WAS .625 IS (.625). -5 CH'D DIMS WAS .75 IS (.76), WAS .31 IS (.313). -1, -3, -5 CH'D FINISH WAS FOREST T-5920 S9 YELLOW RIBBON IS POWDER COAT YELLOW FED #13538. -63 ADDED B/O INFO #94895A815. -65 ADDED B/O INFO #90108A417. -67 ADDED B/O INFO #GU589617. -69 ADDED B/O INFO #CR1018455. -71 ADDED B/O INFO #CR1018491. -73 ADDED B/O INFO #CR1018437. -79, -81, -83, -89, -91 ADDED DRAWINGS. -86 ADDED TO BOM. -87 CH'D PLACARD WAS RED BARN IS DART.	7/1/2014 DPD JAG



ASSY QTY	ASSY QTY	B/O	Part #	UNIT QTY	Description	Material	B/O INFORMATION OR SPECIFICATIONS	PG.
		-1	1		SPREADER PLATE	1018	5/8 X 4-3/4 X 13-1/2	2
		-3	1		THREADED ROD	1018	Ø5/8 X 11-1/8	3
		-5	2		ROD MOUNT	1018	5/16 X 3-1/8 X 4-7/8	4
		-50	1		T/B LIFT FITTINGS	RBW5305G81851-3G		1
B/O		-63	4		HEX NUT	STEEL	3/8-24 MCMASTER-CARR#94895A815	1
B/O		-65	4		WASHER	STEEL	Ø7/16 I.D. MCMASTER-CARR #90108A417	1
B/O		-67	1		OBLONG LINK RING, WELDLESS	STEEL	Ø3/4 EUGENE EQUIPMENT #GU589617	1
B/O		-69	1		SHACKLE W/ SCREW PIN	STEEL	Ø1/2 EUGENE EQUIPMENT #CR1018455	1
B/O		-71	2		SHACKLE W/ SCREW PIN	STEEL	Ø3/4 EUGENE EQUIPMENT #CR1018491	1
B/O		-73	8		SHACKLE W/ SCREW PIN	STEEL	Ø7/16 EUGENE EQUIPMENT #CR1018437	1
B/O		-75	4		TURNBUCKLE, JAW TO JAW	STEEL	1/2-13 UNC MCMASTER-CARR #3001154	1
		-79	2		SPANSET GREEN WEB SLING (2000 kg) W/ Ø5/8 ELONGATED D-RING	SYNTHETIC, TYPE II	2 PLY; 2in. X 50in. EUGENE EQUIPMENT (REF. MED. CAP. TYPE II TT2-502)	5
		-81	2		SPANSET GREEN WEB SLING (2000kg) W/ Ø5/8 ELONGATED D-RING	SYNTHETIC, TYPE II	2 PLY; 2in. X 120in. EUGENE EQUIPMENT (REF. MED. CAP. TYPE II TT2-502)	6
		-83	4		SECURTEX SLEEVE, WEB SLING PROTECTOR PAD, W/ VELCRO	SYNTHETIC W/ PADDING	FOR 2in. STRAP X 18in. EUGENE EQUIPMENT	7
B/O		-86	4		DRIVE SCREW	STEEL	#2 X 1/4 MCMASTER-CARR #90081A077	1
B/O		-87	1		DART PLACARD	ALUMINUM	#RB41011	1
B/O		-89	1		STICKER, "UPPER RIGHT"	CLEAR PLASTIC	3/16 BLACK LETTERS SIGNS NOW	8
B/O		-91	1		STICKER, "UPPER LEFT"	CLEAR PLASTIC	3/16 BLACK LETTERS SIGNS NOW	9

DART
AEROSPACE

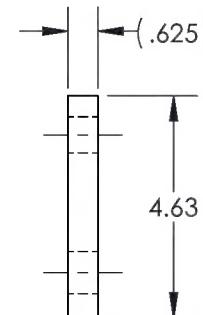
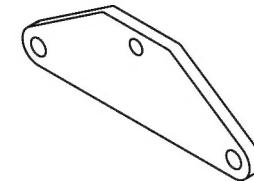
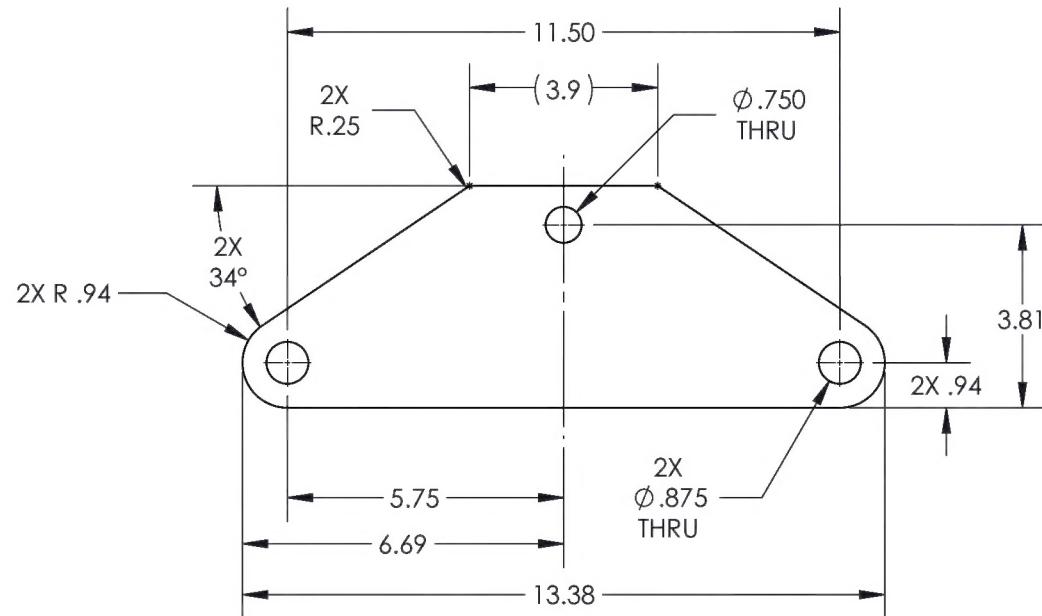
TITLE TAIL BOOM LIFTING SLING & ATTACHMENT

DWG NO. RBW5305G00131-3G **REV** 3

MAT'L	DRAWN BY: DUERFELDT
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
.XXX ± .005	FRACTIONS ± 1/32
.XX ± .01	HEAT TREAT
.X ± .1	FINISH
1. BREAK ALL SHARP EDGES .015 X 45° OR .015R	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
USED ON MODEL	
AW139	
SCALE	1:8
DATE	5/4/2009
SHEET 1 OF 10	

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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
3	-1 CH'D DIM WAS 4.0 IS (.9), WAS .625 IS (.625). CH'D FINISH WAS FOREST T-5920 S9 YELLOW RIBBON IS POWDER COAT YELLOW FED #13538.	7/1/2014	DPD	JAG



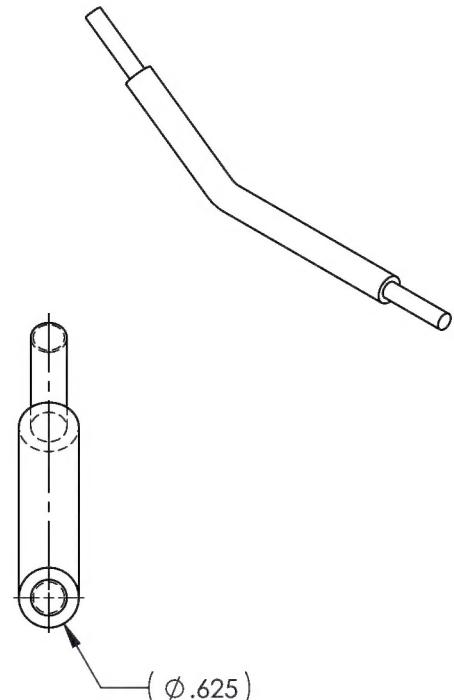
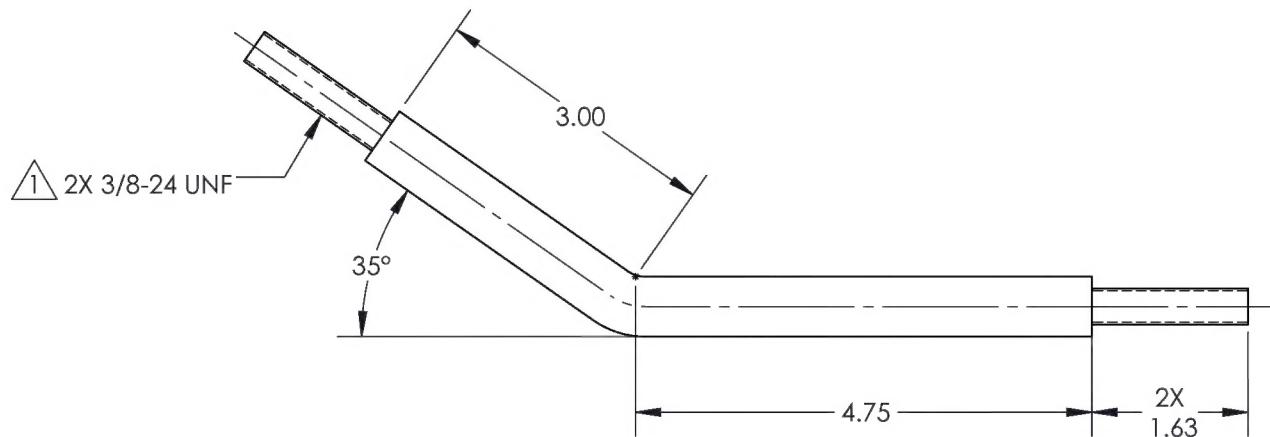
SPREADER PLATE

(-1)

DART AEROSPACE	
TITLE TAIL BOOM LIFTING SLING & ATTACHMENT	
DWG NO.	REV 3
RBW5305G00131-3G-1	
MAT'L 1018	DRAWN BY: DUERFELDT
APPROVED D Weil	
UNLESS OTHERWISE SPECIFIED	
DIMENSIONS ARE IN INCHES	
.XXX ± .005	FRACTIONS ± 1/32
.XX ± .01	ANGLES ± 5°
X ± .1	
1. BREAK ALL SHARP EDGES .015 x 45°	
OR .015R	
2. DIMENSIONAL LIMITS APPLY AFTER	
PLATING	
USED ON MODEL	
AW139	
SCALE 1:4	DATE 6/17/2014
SHEET 2 OF 10	

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REVISIONS					
REV	DESCRIPTION	DATE	INITIAL	APPROVED	
3	-3 CH'D FINISH WAS FOREST T-5920 S9 YELLOW RIBBON IS POWDER COAT YELLOW FED #13538.		7/1/2014	DPD	JAG



NOTE:

MASK THREADS BEFORE POWDER COATING.



TITLE TAIL BOOM LIFTING SLING &
ATTACHMENT

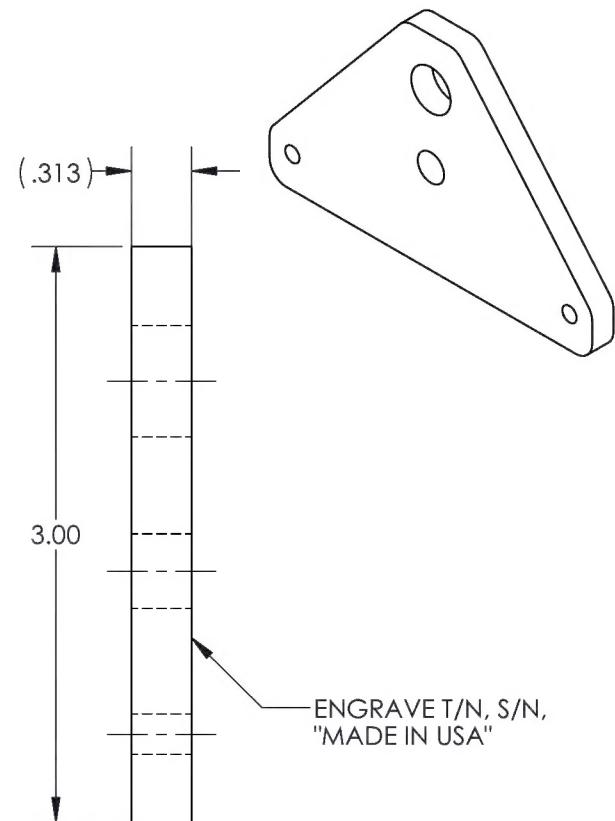
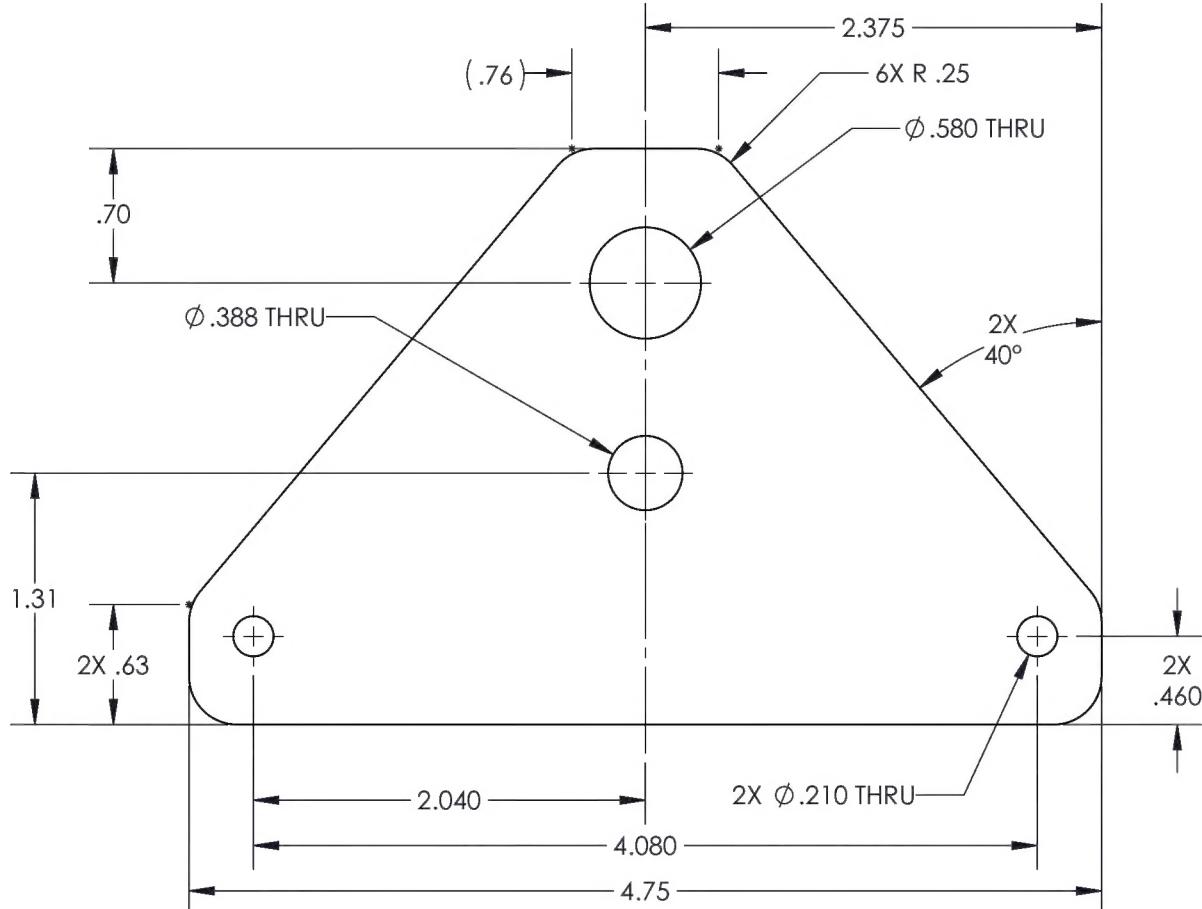
DWG NO.	RBW5305G00131-3G-3	REV 3
MAT'L	1018	DRAWN BY: DUERFELDT
UNLESS OTHERWISE SPECIFIED	FRACTIONS ± 1/32	APPROVED
DIMENSIONS ARE IN INCHES	ANGLES ± 5°	HEAT TREAT FINISH POWDER COAT YELLOW
.XXX ± .005		
.XX ± .01		
X ± .1		
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	SPEC FED #13538	USED ON MODEL
2. DIMENSIONAL LIMITS APPLY AFTER PLATING		AW139
SCALE 1:2	DATE 6/17/2014	SHEET 3 OF 10

(-3)

THREADED ROD

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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
3	-5 CH'D DIMS WAS .75 IS (.76), WAS .31 IS (.313), CH'D FINISH WAS FOREST T-5920 S9 YELLOW RIBBON IS POWDER COAT YELLOW FED #13538.	7/1/2014	DPD	JAG

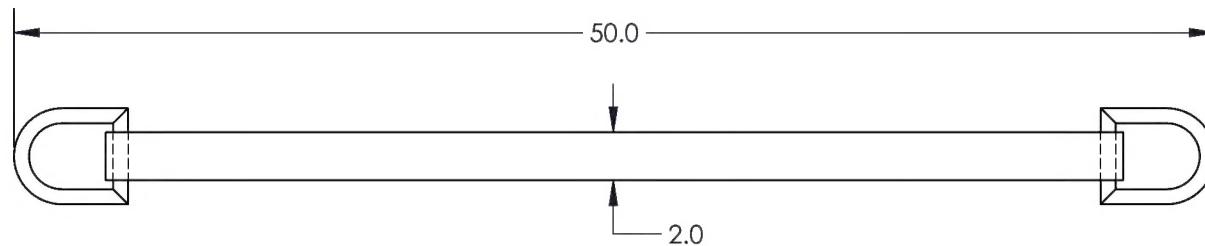
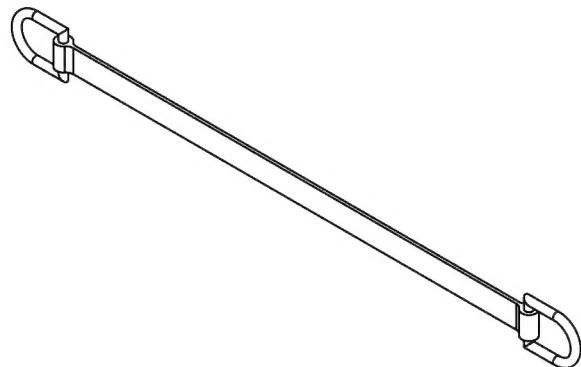


(-5)
ROD MOUNT

DART AEROSPACE	
TITLE TAIL BOOM LIFTING SLING & ATTACHMENT	
DWG NO.	REV 3
RBW5305G00131-3G-5	
MAT'L 1018	DRAWN BY: DUERFELDT APPROVED D Weil
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
.XXX ± .005 FRACTIONS ± 1/32	
.XX ± .01 ANGLES ± 5°	
.X ± .1	
HEAT TREAT FINISH POWDER COAT YELLOW	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
SPEC FED #13538	
USED ON MODEL AW139	
SCALE 1:1	DATE 6/17/2014
SHEET 4 OF 10	

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REVISONS			
REV	DESCRIPTION	DATE	INITIAL APPROVED



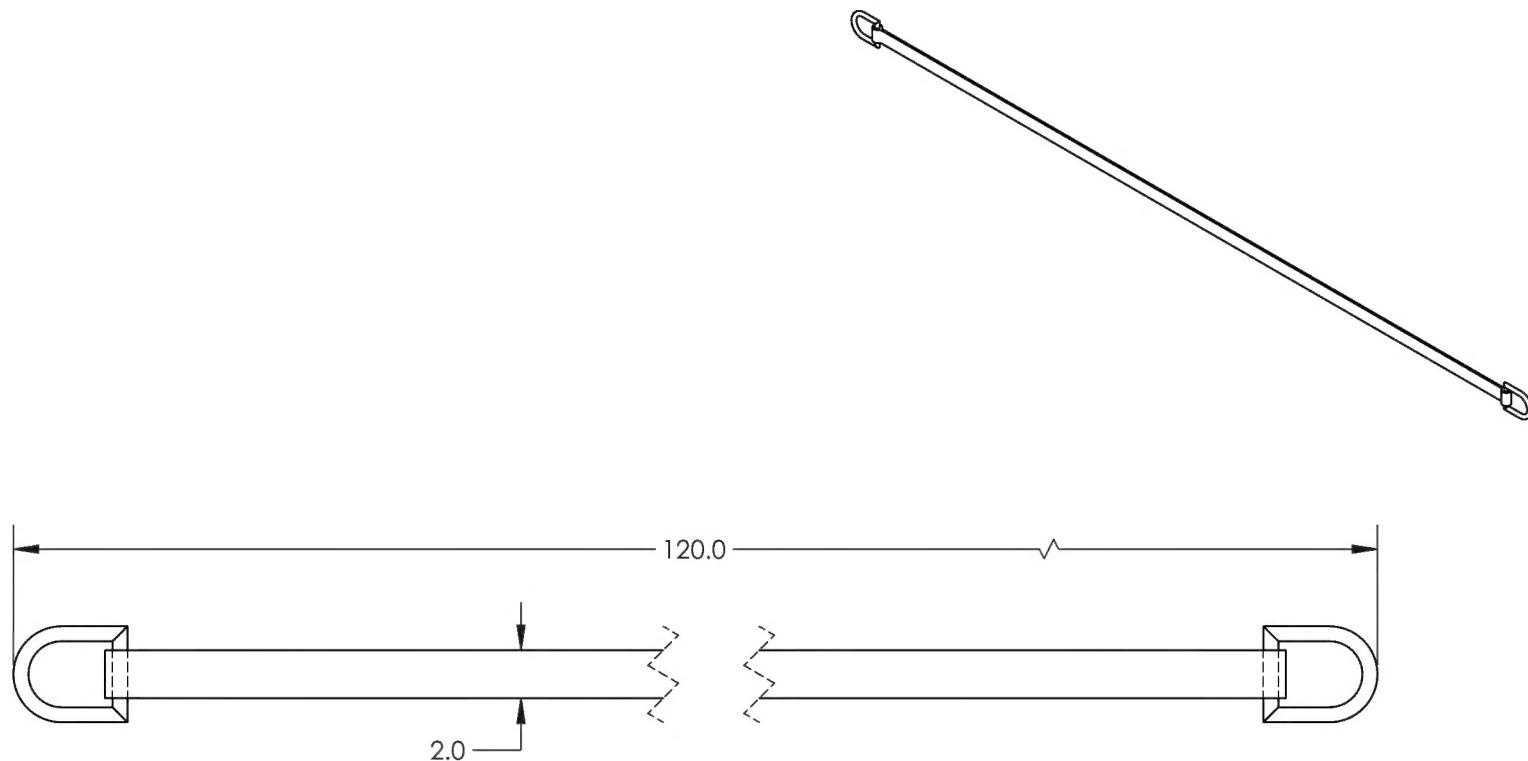
-79

SPANSET GREEN WEB SLING (2000 kg) W/ Ø5/8 ELONGATED D-RING

DART AEROSPACE	
TITLE TAIL BOOM LIFTING SLING & ATTACHMENT	
DWG NO. RBW5305G00131-3G-79	REV 3
MAT'L SYNTHETIC, TYPE II	DRAWN BY: DUERFELDT
APPROVED <i>D Weil</i>	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
.XXX ± .005 FRACTIONS ± 1/32	
.XX ± .01 ANGLES ± 5°	
.X ± .1	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
USED ON MODEL AW139	
SCALE 1:8	DATE 7/1/2014
SHEET 5 OF 10	

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REV		DESCRIPTION	DATE	INITIAL	APPROVED
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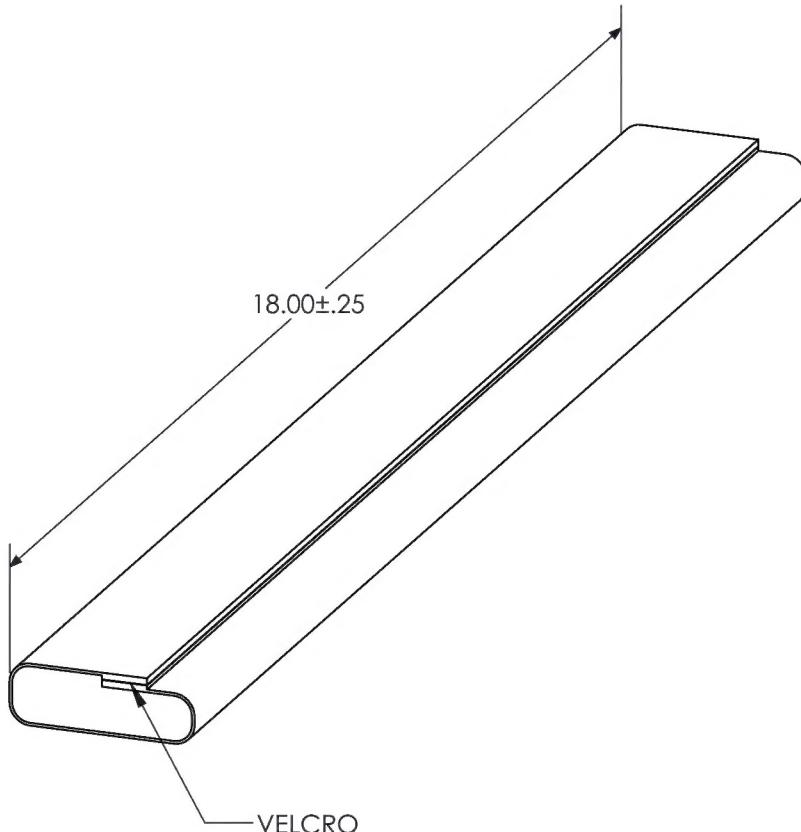
SPANSET GREEN WEB SLING (2000kg) W/ Ø5/8 ELONGATED D-RING

(-81)

DART AEROSPACE	
TITLE TAIL BOOM LIFTING SLING & ATTACHMENT	
DWG NO. RBW5305G00131-3G-81 REV 3	
MATERIAL SYNTHETIC, TYPE II DRAWN BY: DUERFELDT	
UNLESS OTHERWISE SPECIFIED APPROVED <i>D Weil</i>	
DIMENSIONS ARE IN INCHES	
.XXX ± .005 FRACTIONS ± 1/32	
.XX ± .01 ANGLES ± 5°	
.X ± .1	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
HEAT TREAT FINISH	
SPEC	
USED ON MODEL AW139	
SCALE 1:8	DATE 7/1/2014
SHEET 6 OF 10	

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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED



NOTE:
PADDED SLEEVE FOR 2" STRAP.

DART AEROSPACE	
TITLE TAIL BOOM LIFTING SLING & ATTACHMENT	
DWG NO.	RBW5305G00131-3G-83
MAT'L	SYNTHETIC W/ PADDING
DRAWN BY:	DUERFELDT
APPROVED	<i>D Weil</i>
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
.XXX ± .005 FRACTIONS ± 1/32	
.XX ± .01 ANGLES ± 5°	
.X ± .1	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
USED ON MODEL	
AW139	
SCALE	1:2
DATE	5/4/2009
SHEET 7 OF 10	

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REVISONS			
REV	DESCRIPTION	DATE	INITIAL APPROVED

3/16"

UPPER RIGHT

-89

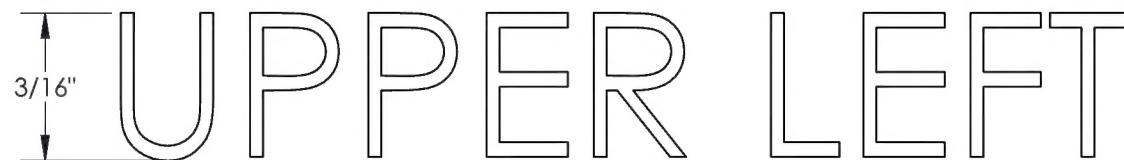
STICKER, "UPPER RIGHT"

	
TITLE TAIL BOOM LIFTING SLING & ATTACHMENT	
DWG NO.	RBW5305G00131-3G-89
MAT'L	CLEAR PLASTIC
DRAWN BY:	DUERFELDT
APPROVED	D Weil
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
.XXX ± .005 FRACTIONS ± 1/32	
.XX ± .01 ANGLES ± 5°	
.X ± .1	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
USED ON MODEL	
AW139	
SCALE	4:1
DATE	6/17/2014
SHEET 8 OF 10	

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REVISIONS			
REV	DESCRIPTION	DATE	INITIAL APPROVED

3/16"



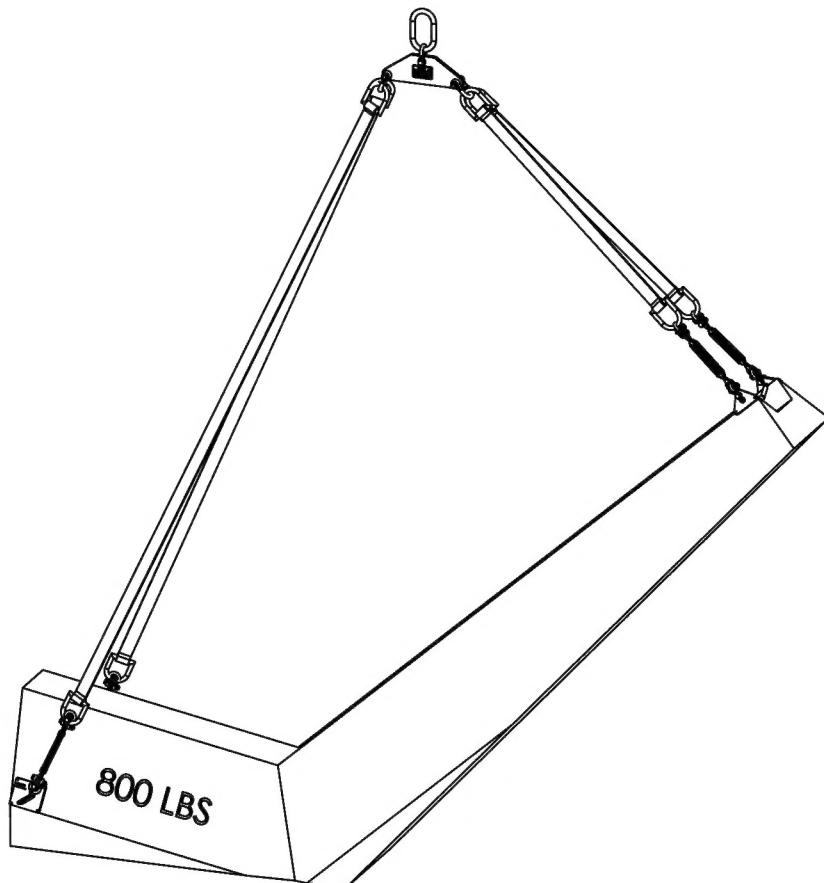
UPPER LEFT

STICKER, "UPPER LEFT"

(-91)

DART AEROSPACE	
TITLE	TAIL BOOM LIFTING SLING & ATTACHMENT
DWG NO.	RBW5305G00131-3G-91
MAT'L	CLEAR PLASTIC
DRAWN BY:	DUERFELDT
APPROVED	D Weil
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
.XXX ± .005 FRACTIONS ± 1/32	
.XX ± .01 ANGLES ± 5°	
.X ± .1	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
USED ON MODEL	
AW139	
SCALE	4:1
DATE	6/17/2014
SHEET 9 OF 10	

FIRST ARTICLE WEIGHT TEST



INSPECTION & TESTING PROCEDURES FOR THE RBW5305G00131-3G, TAIL BOOM LIFTING SLING & ATTACHMENT. THIS ASSEMBLY IS DESIGNED EXCLUSIVELY FOR HOISTING AND INSTALLING/REMOVING THE TAIL BOOM. THIS ASSEMBLY SHOULD BE INSPECTED BEFORE EACH USE. REPLACE ANY ITEMS THAT ARE DAMAGED OR SUSPECTED OF DAMAGE BEFORE USING!

FIRST ARTICLE WEIGHT TEST

1. AFTER INSPECTION, PLACE SLING ASSEMBLY ON A OVERHEAD LIFTING DEVICE. ATTACH THE LIFTING FITTINGS & ROD MOUNTS TO AN APPROPRIATE TEST WEIGHT OF 800 LBS.
2. LIFT WEIGHT FOR AT LEAST 5 MINUTES, CONTINUALLY CHECKING FOR CRACKS, DEFLECTION, OR DISTORTION.
3. REMOVE WEIGHT AND RE-INSPECT SLING, CHECKING FOR STRESS CRACKS, BENDING, OR DISTORTIONS.

INSPECTOR: _____

TESTER: _____

S.N.: _____

DATE: _____

DART
AEROSPACE

190 S. Danebo Ave., Eugene, OR. 97402
1-800-556-4166
e-mail: sales@dartaero.com
dartaerospace.com

TITLE		TAIL BOOM LIFTING SLING & ATTACHMENT	
DWG NO.	RBW5305G00131-3G	REV	3
SCALE	1:30	DATE	7/1/2014
CUSTOMER	1 OF 1	SHEET	10 OF 10